

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP PROGRAM  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

<b>PROJECT INFORMATION</b>	
<b>Project Title:</b> Government Trick Tank Refurbish 2011	<b>Project No.</b> 10-104
<b>Region/GMU:</b> 4A	<b>HPC:</b> Winslow
<b>Project Type:</b> Refurbish 51,000 gallon storage tank	
<b>Project Description:</b> Government Trick Tank is a storage tank that is feed by Ellsworth Well. This holding tank is over 45 years old and is starting to leak through the concrete floor. This project will refurbish this tank to keep it in service for another 30 + years. This storage tank is 51,000 gallons and helps feeds 11 miles of buried pipeline with 9 drinkers. These drinkers are disbursed in a matter that about 20 sections of wildlife habitat are served from this well.	
<b>Wildlife Species to Benefit:</b> Elk 65% Deer 15% Antelope 20%	
<b>Possible Funding Partners:</b>	
<b>Implementation Schedule:</b> Beginning: January 2011 Completed: December 2011	
<b>PROJECT FUNDING</b>	
<b>SBG Funds Requested:</b> \$ 20000.00	
<b>Cost Share Funds:</b> \$ 23,100.00 for the first four year of service	
<b>Total Project Costs:</b> \$ 43,100.00	
<b>PARTICIPANT INFORMATION</b>	
<b>Applicant:</b> Ken Clay III  <b>Telephone:</b> 928 289-5368	<b>Address:</b> 1144 Jolly Rd Winslow, AZ 86047
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)	
<b>Coordinated with:</b> Ohaco Ranches	
<b>Applicant's signature:</b>	<b>Date:</b> August 24, 2010

**SEND COMPLETED APPLICATIONS TO:**  
Game Branch  
5000 W. Carefree Highway  
Phoenix, AZ 85086  
rthompson@azgfd.gov

### **NEED STATEMENT/PROBLEM ANALYSIS:**

Perennial water on the north part of Unit 4A is limited to man-made structures. In the central part of Unit 4A, Jim Ohaco runs a Ranch on private and State lands totaling over 42,000 acres. Jim also maintains a Forest Service lease on about 18,000 acres that is adjacent to the southwest part of his Ranch. Over the last half-century of ranching on these lands, Ohaco's made many water improvement on these lands. However, over time some of these structures have slowly started to show their age and need refurbished. Government Trick Tank was built in the early 1960's. Originally, this tank was feed by an apron but is now part of the Ellsworth pipeline. This tank is 5'5 feet high and has a diameter of 40 feet for a 51,000-gallon storage capacity. This tank consists of steels side embedded in a concrete floor. Over the year this tank has shown some wear and but overall it is still in good shape. We would like to refurbish this tank now before it degrades to a point where it is not functional and reaches a point that it can not be repaired at all.

### **PROJECT OBJECTIVES:**

This tank will be refurbish by sealing it with fiberglass. The process to do this is to first install pre-fabbed fiberglass panels throughout the entire tank. This includes the sides and the floor. These pre-fabbed panels will be firmly anchored to the existing structure and floor. Once the panels are installed they will be coated with a fiberglass resin and then topped with a gel coat. This fiberglass linear firmly affixed to the existing tank along with the gel coat, the life expectancy for this tank should increase by 30 plus years. This methodology for sealing an existing tank has been proven to last and in the long run will save the expense of replacing the tank with a new one. Darryl Showers, who specializes in building fiberglass tanks and repairing existing tanks with fiberglass, will do this work. Darryl has been building all the existing fiberglass tanks that Arizona Game and Fish is using for new catchment projects.

### **PROJECT STRATEGIES:**

- Continue year round operation of Ellsworth Wells.
- This water systems affects over 20 sq/miles of habitat
- This water systems supplies water to 11 drinkers within this habitat

### **PROJECT LOCATION:**

See attach map. The project area is in Unit 4A along the northwest portion of Forest Service land. This holding tank is locate 34°41.599'N 110°56.079'W. The total wildlife habitat affected by this system is over 20 sq/miles.

### **LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):**

USDA Forest Service

### **IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?**

Yes

### **HABITAT DESCRIPTION:**

Pinyon/Juniper habitat with large grassland openings. The area has a good mixture of browse.

**ITEMIZED USE OF FUNDS: To Operate Both High Pt and Ellsworth Wells**

	Man/Hours	Quantity	Cost	Total
Total cost to run the well/year		1-year		\$5,5500
Prep the tank	60 hrs		\$15.00/hr	\$900.000
				\$6,450.00

	Total Cost	\$17,550.00
SBG	Funds Requested	\$20000.00
Ohaco Ranches	Cost Share in year ONE	\$6,450.00
Ohaco Ranches	Cost Share in years Two thru four	\$16650.00
Ohaco Ranches	Four-Year Cost Share	\$23,100.00

The life expectancy of this tank should be at least 30 years. The total cost share of keeping this tank in service for the next four years is \$23,100.00. This is over a 50% total cost share during the first four years of service.

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

**Ohaco Ranches**

- Will prep the tank before the Fiberglass Work is done.
- Will continue to Operate and maintain the well and the water system.

**Darryl Showers**

- Will do the Fiberglass Work on the tanks

**PROJECT MONITORING PLAN:**

AZGF Wildlife Manager will monitor Ellsworth well to ensure perennial water is maintained.

**PROJECT MAINTENANCE:**

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Ken Clay / Arizona Game and Fish

Figure 1: Government Trick Tank 2010



Figure 2: Ellsworth Water System highlighted in BLUE



